BISCUIT FIRMWARE UPGRADE (PC)

NOTE: BEFORE UPGRADING THE FIRMWARE, WE RECOMMEND YOU TO SAVE YOUR PRESETS WITH A MIDI SYSEX DUMP (see page 31 of BISCUIT USER MANUAL).
Presets are not modified by the firmware upgrade, but it's safer to do so.
DOING A PRESET SYSEX IS ALSO A GOOD WAY TO TEST MIDI COMMUNICATION BETWEEN BISCUIT AND YOUR COMPUTER PRIOR TO THE UPGRADE.

1/ Connect a MIDI cable between the MIDI OUT port of your MIDI interface and the BISCUIT's MIDI IN port.

2/ Download the SysEx file "Biscuit_vX.X.syx" from our website :

http://www.otomachines.com/support/

3/ Download and install SysEx utility "MIDI-OX" from this address (don't forget to donate !) :

http://www.midiox.com/

4/ Close all the running applications, such as audio or video player, internet and email programs.

5/ Open the "MIDI-OX" application.

6/ Click "View" then "SysEx...". Go to "Sysex" then "Configure...".
Check "Delay After F7". It should be selected and the value should be: "500" Milliseconds
Click "OK".

7/ Click "Options" then "MIDI Devices...". Select your MIDI interface on the "MIDI Outputs" box.
Your MIDI interface should be highlighted. Click "OK".

8/ Click "Options" then "Configure Buffers...". Set "Low Level Output Buffers" to 900 (size) and 19 (Num).
Click "OK".

9/ Switch BISCUIT on while pressing the "BYPASS", "BRAIN", "FILTER" and "8 / STEP" switches.
The "BYPASS", "BRAIN" and "FILTER" switches should light up red, the other switches are off.
BISCUIT is now ready for the upgrade.

10/ Click "Actions" then "Send" then "SysEx File...". Select the "Biscuit_vX.X.syx" file with the opened browser. "MIDI OX" is sending the firmware via SysEx.
The BISCUIT's "1 / TAP" switch should light up red.
The switches 2 to 8 will light up red one after the other, indicating the upgrade in progress.
Check that the 8 rectangular switches are all lit up red for 3 seconds at the end of the upgrade.
BISCUIT will reset itself and is ready to use.
You can quit MIDI-OX" application and unplug the MIDI cable.

If you encounters problems when upgrading firmware via SysEx, try to:

- increase the "Delay after F7" to "1000" (or more) Milliseconds,
- update the drivers for your MIDI interface,
- remove any devices between your interface and BISCUIT such as MIDI thru boxes, mergers, splitters...,
- use another MIDI interface.

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